

What is claimed is:

1. A method for obtaining the leucocyte components from human blood comprising:

5 (A) a first step for fracturing the cell membrane of leucocytes of the human blood by physical means, and

10 (B) a second step for separating the leucocyte components from the blood liquid resulted from the first step, containing the leucocytes with fractured cell membranes, to collect the separated layers or parts individually.

15 2. The method for obtaining the leucocyte components from human blood according to claim 1, wherein the physical means used in the first step (A) for fracturing the cell membranes of leucocytes is selected from (a) a supersonic method for applying the supersonic of 1 MHz to 50 MHz to the blood liquid containing leucocytes to fracture the cell membranes of leucocytes by the vibration caused by the supersonic; (b) a laser method for irradiating the laser of 10 to 100 mW, 50/cm<sup>2</sup> for several seconds to several minutes (about 3 minutes) to the same point in the blood liquid containing leucocytes to fracture 20 the cell membranes; (c) an osmotic pressure method for changing the osmotic pressure of the blood liquid containing leucocytes to fracture the cell membranes; (d) a freezing and defrosting method for freezing the blood liquid containing leucocytes at the temperature range from -5 degrees to the absolute zero point and then defrosting this frozen 25 liquid at a room temperature (about 20 degrees) to fracture the cell membranes; and (e) a vacuum method for rapidly reducing the pressure in a vacuum chamber to fracture the cell membranes of the blood liquid

containing leucocytes set in the chamber.

3. The method for obtaining the leucocyte components from human blood according to claim 1, wherein the second step (B) for separating the leucocyte component includes a centrifugal precipitation which stirs the blood liquid containing the leucocytes with cell membranes fractured by the first step (A), and then separates the stirred liquid into multiple layers corresponding the leucocyte components by the centrifugal precipitation.

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4. The method for obtaining the leucocyte components from human blood according to claim 1, wherein the second step (B) includes an electrophoresis work which separates the blood liquid containing the leucocytes with fractured cell membranes by the first step (A) into multiple parts corresponding the leucocyte components by the electrophoresis work.

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5. The method for obtaining the leucocyte components from human blood according to claim 1, wherein the first step (A) uses the cultured leucocytes obtained from the specific persons who are judged healthy through predetermined health and blood checks.

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6. The method for obtaining the leucocyte components from human blood according to claim 1, further comprising a step for finding therapeutic effects owing to the separated and collected leucocyte components, including various therapeutic tests using blood samples collected from patients suffering from various diseases.